

REMARKS

This application has been carefully reviewed in light of the Office Action dated November 24, 2009. Claims 19, 23, 26, 28, 30, 31 and 33 are pending in the application, of which Claims 19, 26, 28 and 31 are independent. Reconsideration and further examination are respectfully requested.

Claims 28 and 30 are rejected under 35 U.S.C. 101 as allegedly being directed to non-statutory subject matter. Without conceding the correctness of the rejection, Applicant submits that the foregoing amendments to the claims have clarified that each step of the method is implemented by an information processing apparatus. Accordingly, Applicant respectfully requests reconsideration and withdrawal of this rejection.

Claims 19, 23, 26, 28, 30, 31 and 33 are rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over U.S. Patent No. 6,825,941 (Nguyen) in view of U.S. Patent 7,120,646 (Streepy). Reconsideration and withdrawal of this rejection is respectfully requested.

The present claims concern management of resources in an imaging forming apparatus such as a printer. In one aspect, a resource is retained containing display names, name-use information indicative of correspondence between each display name and each printer language which can use the resource, and data of the resource, which are utilized in image processing. Multiple display names for the retained resource are input via a graphical interface, a display name is selected corresponding to a printing language which can use the resource from among the multiple display names, and the display names and the name-use information indicative of correspondence between the selected display name and the printing language to the resource are set. The resource is then transmitted to the image processing apparatus in response

to a transmission instruction input via the graphical user interface, wherein the resource contains the display names and the name-use information.

By virtue of these features, resource display names and name-use information can be set indicating a correspondence between a display name and a printer language which can access the services of the resource. Then the resource containing the display names and the name-use information can be transmitted to an image processing apparatus that processes a document described in the print language. Accordingly, a resource downloaded to an image processing apparatus can be shared by print languages using different names. If the print languages usable in the image processing apparatus use different names for the resource independently of each other, only one resource is needed for the languages.

Turning to specific claim language, amended independent Claim 19 is directed to a data processing apparatus, which communicates with an image processing apparatus that processes image data by using resources retained in memory. The apparatus includes: retention means for retaining a resource containing display names, name-use information indicative of correspondence between each display name and each printer language which can use the resource, and data of the resource, which is utilized in image processing, input means for inputting, via a graphical user interface, multiple display names of the resource retained by the retaining means, first selecting means for selecting, via the graphical user interface, a display name corresponding to a printing language which can use the resource from among the multiple display names input by the input means setting means for setting the display names inputted by the input means and the name-use information indicative of correspondence between the display name and the printing language selected by the selecting means to the resource retained by the retention means; and transmitting means for transmitting the resource to the image processing

apparatus in response to a transmission instruction input via the graphical user interface, wherein the resource is retained by the retention means and contains the display names and the name-use information.

Applicant submits that Nguyen and Streepy, whether considered alone or in combination, fail to disclose or suggest all of the features of the apparatus of Claim 19. In particular, Applicant submits that the cited references fail to disclose or suggest (i) a resource containing multiple display names and name-use information indicating correspondence between a display name and a printer language, and (ii) a user interface for inputting the display names and the name-use information as featured in the present claims.

In contrast to the present claims, Nguyen discloses a Universal Printer Driver (Unidrv5) that allows original equipment manufacturers (OEMs) to provide customization components (plugins) to modify the standard driver user interface and the output data stream sent to the printer through the use of a generic printer description file. Any particular printer may use some or all of these modules' functionality as desired by the OEM. (See Nguyen, column 8, lines 4 to 25). As conceded in the Office Action, Nguyen fails to disclose or suggest that a resource, such as the Unidrv5, may have multiple display names. However, the Office Action sites Streepy as disclosing such a feature.

Streepy, discloses a meta-model component that can have multiple names associated with the component and a localized display name that is specific to a given language locale. However, Streepy does not disclose or suggest retaining a resource containing display names, name-use information indicative of correspondence between each display name and each printer language which can use the resource, and data of the resource, which is utilized in image processing, inputting, via a graphical user interface, multiple display names of the resource,

selecting, via a graphical user interface, a display name corresponding to a printing language which can use the resource from among the multiple display names, setting the display names and the name-use information indicative of correspondence between the display name and the printing language to the resource retained by said retention means, and transmitting the resource to the image processing apparatus in response to a transmission instruction input via the graphical user interface, wherein the resource is retained and contains the display names and the name-use information.

In light of these deficiencies in Nguyen and Steepy as discussed above, Applicant submits that amended independent Claim 19 is now in condition for allowance and respectfully requests same.

Amended independent Claim 26 is directed to a data processing apparatus using specified retention, input, first selecting and second selecting units substantially in accordance with the apparatus of Claim 19. Accordingly, Applicant submits that Claim 26 is also now in condition for allowance and respectfully requests same.

Amended independent Claim 28 is directed to a data processing method substantially in accordance with the apparatus of Claim 19. Accordingly, Applicant submits that Claim 28 is also now in condition for allowance and respectfully requests same.

Amended independent Claim 31 is directed to a computer-readable medium storing a computer program substantially in accordance with the apparatus of Claim 19. Accordingly, Applicant submits that Claim 31 is also now in condition for allowance and respectfully requests same.

The other pending claims in this application are each dependent from the independent claims discussed above and are therefore believed allowable for at least the same

reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

CONCLUSION

No claim fees are believed due; however, should it be determined that additional claim fees are required, the Director is hereby authorized to charge such fees to Deposit Account 06-1205.

Applicant's undersigned attorney may be reached in our Costa Mesa, CA office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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